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National forest facts

Including--BANKHEAD-JONES, Title III land

Northern Region

MONTANA, N.E. WASHINGTON
N. IDAHO, N.W. SOUTH DAKOTA
And NORTH DAKOTA

WOOD · WATER · FORAGE · WILDLIFE · RECREATION
FOREST SERVICE
U S
DEPARTMENT OF AGRICULTURE

Regional Forester
MISSOULA · MONTANA

REVISED 1959

PREFACE

NATIONAL FOREST FACTS has been prepared primarily for use of Forest Service people and friends of the Forest Service who in their contacts with the public may have need for facts and figures concerning the organization, activities, resources, incomes, and expenditures within the Northern Region.

Since 1954, the Forest Service has been managing approximately 3,000,000 acres of Bankhead-Jones Title III (LU Lands) in Montana, North Dakota, and South Dakota. By Executive Order, dated November 6, 1958, all of these lands in Montana were transferred to the Bureau of Land Management. The Forest Service is still responsible for management of over a million acres of LU lands in North and South Dakota. These lands are administered by personnel of the Custer National Forest. Because these lands do not actually have national forest status, data for them are presented separately at the back of this publication.

Those who use this publication are encouraged to submit ideas and suggestions for improving its usefulness to the Division of Information and Education, Regional Office, Missoula.

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OPERATION

ACREAGES BY FORESTS, FISCAL YEAR 1959

	Montana	Northeast Washington	North Idaho	North Dakota	South Dakota	Region
Number of forests	10	1	5			16
Number of ranger districts	66	6	29			101
Land utilization projects				2	2	4
National forest acres	16,634,060	1,215,337	6,860,173		73,707	24,783,277
Other (State, private, etc.)	2,418,583	87,802	602,490		4,119	3,112,994
Land utilization projects				1,032,935	158,732	1,191,667
Gross acreage	19,052,643	1,303,139	7,462,663	1,032,935	236,558	29,087,938

Forests	Headquarters	Net national forest acreage and number ( ) ranger districts					
Beaverhead	Dillon, Montana	2,131,136 (8)					2,131,136 (8)
Bitterroot	Hamilton, Montana	1,113,812 (4)		460,841 (1)			1,574,653 (5)
Clearwater	Orofino, Idaho			1,248,455 (5)			1,248,455 (5)
Coeur d'Alene	Coeur d'Alene, Idaho			723,217 (4)			723,217 (4)
Colville	Colville, Washington		928,332 (5)				928,332 (5)
Custer	Billings, Montana	1,097,769 (5)				73,707	1,171,476 (5)
Deerlodge	Butte, Montana	1,134,639 (5)					1,134,639 (5)
Flathead	Kalispell, Montana	2,336,378 (8)					2,336,378 (8)
Gallatin	Bozeman, Montana	1,700,139 (7)					1,700,139 (7)
Helena	Helena, Montana	966,613 (4)					966,613 (4)
Kaniksu	Sandpoint, Idaho	447,147 (2)	287,684 (1)	890,552 (5)			1,625,383 (8)
Kootenai	Libby, Montana	1,769,124 (7)		48,851			1,817,975 (7)
Lewis & Clark	Great Falls, Montana	1,862,011 (7)					1,862,011 (7)
Lolo	Missoula, Montana	2,076,636 (9)		426,062 (1)			2,502,698 (10)
Nezperce	Grangeville, Idaho			2,195,908 (8)			2,195,908 (8)
St. Joe	St. Maries, Idaho			866,269 (5)			866,269 (5)
Land utilization project				1,032,935		158,732	1,191,667

TIMBER MANAGEMENT

TIMBER STAND AND SALES ACTIVITIES FISCAL YEAR 1959

Commercial timber area available for management	Montana	Northeast Washington	North Idaho	Northwest South Dakota	North Dakota	Region
Saw timber - acres	4,396,097	598,499	2,056,587	572	-	7,051,755
Poles - acres	4,321,797	169,798	1,166,996	6,654	-	5,665,245
Seedling and saplings - acres	1,354,021	275,569	783,931	203	-	2,413,724
Denuded - acres	340,800	21,980	566,881	4,283	-	933,944
Total acres	10,412,715	1,065,846	4,574,395	11,712	-	16,064,668
Total volume, sawtimber, billion board feet (Scribner)	42.0	6.4	32.3	-	-	80.7
Timber cut, all products, million board feet (Scribner)	445.3	84.4	372.8	-	-	902.5
Timber sold, million board feet	579.3	110.1	425.9	-	-	1,115.3
Number convertible sales awarded	1,395	196	562	-	15	2,168
Number of above sales over $2,000	154	29	101	-	-	284
Collections for stumpage						$6,553,734
Collections for slash treatment						$1,636,144
Collections for sale area betterment						$1,286,131
Total timber use collections						$9,476,009
Total acreage planted to date	46,165	21,541	100,971			168,677
Direct seeding in addition to planting totals shown above	2,612	0	1,406			4,018

RANGE & WILDLIFE MANAGEMENT, FISCAL YEAR 1958

Range management, 1958			Montana	Northeast Washington	North Idaho	Northwest South Dakota	Region
					Range also used by game		
Range open to livestock, acres			4,818,987	332,050	1,119,315	73,688	6,344,040
Cattle, permitted - 5 months, number			117,581	6,353	13,817	3,502	141,253
Paid permits, number			1,706	165	338	38	2,247
Sheep, permitted - 2½ months, number			190,408	2,250	11,595	186	204,439
Paid permits, number			129	2	15	1	147
Total paid permits, number			1,835	167	353	39	2,394
Wildlife management, 1958							
Fish streams, miles			8,450	436	4,408	0	13,294
Fish lakes, acres			56,008	3,955	124,904	0	184,867
Range open to game, acres			16,531,365	1,211,794	6,859,172	73,718	24,676,049
Range, game only, acres			11,462,425	837,794	5,487,832	2,943	17,790,994
Big game:	Mule deer	Harvest	37,000	1,600	2,300	450	41,350
	White-tailed deer	Harvest	7,400	3,600	4,300	150	15,450
	Antelope	Harvest	1,000	0	0	150	1,150
	Elk	Harvest	7,800	10	6,200	0	14,010
	Moose	Harvest	410	0	20	0	450
	Bear, grizzly	Harvest	30	0	0	0	30
	Bear, black	Harvest	780	200	620	0	1,600
	Mountain goat	Harvest	300	0	35	0	335
	Mountain sheep	Harvest	50	0	5	0	55
Big game hunters, visits			274,000	28,000	58,000	2,700	362,700
Small game and bird hunters, visits			42,000	2,100	14,000	300	58,400
Fishermen, visits			443,000	81,000	145,000	85	669,085

Note: Population estimates for big game discontinued.

RECREATION, LANDS & WATERSHED MANAGEMENT FISCAL YEAR 1958

Developed areas	Montana	Northeast Washington	North Idaho	Northwest South Dakota	Region		
Camp and picnic	254	20	93	3	370		
Number family units	1,440	101	437	15	1,993		
Capacity	7,200	505	2,185	75	9,965		
Winter sports	13	1	2	-	16		
Organization camps	29	-	3	-	32		
Special use permits (as of 6/30/57)					Number	Acres	Miles
Agricultural and cultivation	63	7	15	4	89	792.7	
Cabins	98	7	45	-	150	3,650.4	
Corrals	17	3	13	-	33	29.3	
Fish hatcheries	8	-	-	-	8	37.8	
Drift fences	113	1	21	8	143	13.3	130.5
Mining and prospecting	74	6	28	-	108	536,353.9	
Organization sites	31	2	5	-	38	271.5	
Residences	877	31	200	-	1,108	910.0	
Resorts	40	1	9	-	50	746.9	
Sawmills	21	2	6	-	29	288.1	
Schools	18	1	8	-	27	49.2	
Telephone and telegraph lines	69	2	21	3	95		416.5
Power plants and lines	189	21	42	1	253	52.6	508.9
Reservoirs	109	2	14	1	126	6,156.7	4.2
Water supply	22	14	9	-	45	183.5	1.8
Water transmission lines	335	23	67	5	430	26.3	298.2
Miscellaneous	1,035	128	404	22	1,589	110,618.5	1,494.9
Total special use permits	3,119	251	907	44	4,321	660,180.7	2,855.0
Federal Power Commission permits							
Power plants, reservoirs, and transmission lines	39	2	18		59	17,645.8	200.8
Department of Interior (BLM) permits							
Oil and gas leases, railroads, reservoirs, transmission lines	422	-	8	-	430	639,489.0	46.6

Wild and wilderness areas	Forests	Area (acres) Gross	Net
Absaroka	Gallatin	64,000	64,000
Anaconda-Pintlar	(Beaverhead (Bitterroot (Deerlodge	145,000	144,940
Spanish Peaks	Gallatin	50,000	49,800
Beartooth	(Custer (Gallatin	230,000	230,000
Gates of the Mountains	Helena	28,562	28,562
Cabinet Mountains	(Kaniksu (Kootenai	90,000	89,900
Bob Marshall (Flathead Sun River)	(Flathead (Lewis & Clark	950,000	950,000
Mission Mountains	Flathead	75,500	73,340
Selway-Bitterroot	(Bitterroot (Lolo (Nezperce (Clearwater	1,872,295	1,866,345

Natural areas			Montana	North Idaho	Region
Teepee Creek	Kaniksu	Western white pine		746	746
Canyon Creek	Kaniksu	Western white pine, western red cedar, hemlock, alpine fir		1,034	1,034
Cliff Lake Bench	Beaverhead	Grassland, aspen, Douglas-fir and lodgepole pine	2,301		2,301
Montford	Coeur d'Alene	Western white pine		335	335
Coram	Flathead	Western larch, Douglas-fir	811		811
Total			3,112	2,115	5,227

Botanical areas	Forests		Montana	North Idaho	Region
Roosevelt, Ancient Cedars	Kaniksu	Western red cedar		140	140
Experimental forests (INT)					
Deception Creek	Coeur d'Alene	White pine		3,500	3,500
Priest River	Kaniksu	White pine		6,400	6,400
Coram	Flathead	Larch--Douglas-fir	7,328		7,328
Piquett (inactive)	Bitterroot	Ponderosa pine	5,000		5,000
Bernice (inactive)	Deerlodge	Lodgepole pine	2,909		2,909
Total			15,237	10,040	25,277
Experimental ranges (INT)					
Vigilante	Beaverhead		8,500		8,500

Acquisition	Montana	Washington	North Idaho	Northwest South Dakota	Region
Exchange - acres acquired	740,447	87,526	314,770	2,290	1,145,033
Donation - acres acquired	3,219	5,012	299,304	--	307,535
Purchase - acres acquired	Activity so far limited to small acreages purchased for administrative sites				
Total	743,666	92,538	614,074	2,290	1,452,568
National forest ceded in exchange	226,010	1,627	8,790	3,877	240,304
Total acquired, net (acres)	517,656	90,911	605,284	-1,587	1,212,264
Homesteads patented to date	3,049	42	735		3,826
Acreage	383,472	4,022	67,548		455,042
Mining claims patented to date	5,132	44	1,577		6,753
Acreage	116,873	853	36,827		154,553
Applications for patent pending (claims)	18	1	67		86
Acreage	305	20	1,073		1,398
Recreation visits (calendar year 1958)					
Campgrounds	276,640	64,500	58,370	500	400,010
Picnic areas	391,340	51,000	55,700	4,200	502,240
Subtotals	667,980	115,500	114,070	4,700	902,250
Winter sports areas	62,728	7,000	12,800		82,528
Organization camps	19,900	-	1,475		21,375
Hotels and resorts	49,250	500	18,905		68,655
Summer homes	56,635	3,160	12,905		72,700
Wilderness areas	24,930		9,200		34,130
Other forest areas	1,265,000	118,940	376,960	6,500	1,767,400
Total	2,146,423	245,100	546,315	11,200	2,949,038

WATERSHED AND STREAMFLOW

	Columbia	Missouri
Acres of national forest in basin (estimated)	16,711,000	7,946,000
Water produced by national forest in acre feet (estimated)	25,000,000	11,000,000
Peak flow of record at Fort Benton, June 7, 1908 (second feet)		140,000
Peak flow of record at Metaline Falls, June 16, 1913 (second feet)	139,000	
Peak flow of record at Port Hill, June 19, 1933 (second feet)	93,200	
Minimum flow of record at Fort Benton, July 5, 1936 (second feet)		320
Minimum flow of record at Metaline Falls (second feet)	2,500	
Minimum flow of record at Port Hill, February 8, 1926 (second feet)	13,380	
Number of snow courses measured by rangers	25	4

PROGRESS OF FIELD EXAMINATIONS
PUBLIC LAW 167 -- ACT OF JULY 23, 1955

	Areas	Acres
Surface rights determination completed	20	1,884,683
150-day publication and filing period completed	30	2,829,942
Field search completed	13	1,401,959
In process and completed	63	6,116,584

DISPOSITION OF VERIFIED STATEMENTS FILED UNDER PUBLIC LAW 167, ACT OF JULY 23, 1955

	Statements	Claims
Verified statements filed	293	2,100
Verified statements rejected by BLM	39	260
Verified statements scheduled for mineral examination	254	1,840
Verified statements withdrawn by stipulation	130	928
Vertified statements pending mineral examination	63	661
Verified statement claims reported valid	18	72
Verified statement claims reported not valid	43	179
Verified statement claims withdrawn prehearing	10	23
Verified statements hearing pending	18	121
Verified statements hearing completed	8	16
Verified statements rejected by administrative decision	7	19
Verified statements BLM decision to be administered under Sec. 4, P.L. 167 (Act of July 23, 1955)	8	16

STATE & PRIVATE FORESTRY FISCAL YEAR 1958

COOPERATIVE FOREST FIRE PROTECTION CLARKE McNARY, SECTION 2, PROGRAM

PROTECTION AREA	MONTANA	NORTHEAST WASHINGTON	NORTH IDAHO	NORTHWEST SOUTH DAKOTA	REGION
STATE AND PRIVATE LANDS NEEDING PROTECTION - ACRES (FOREST LAND)	6,915,000	1,958,000	2,947,154		11,820,154
PROTECTED BY STATE	1,529,201	1,637,955	1,318,325		4,485,481
PROTECTED BY ASSOCIATIONS	2,394,088		1,006,646		3,400,734
PROTECTED BY FEDERAL AGENCIES	2,991,711	320,045	622,189		3,942,939
TOTAL ACRES PROTECTED	6,915,000	1,958,000	2,947,154		11,820,154
WATERSHED LAND PROTECTED	1,042,000				1,042,000
PROGRAM COSTS					
ESTIMATED PROTECTION COSTS (5-YEAR PERIOD 1957-62)	$746,781	PROGRAM REPORTS BY REGION 6	$976,394 (NORTH IDAHO) 1,174,973 (ENTIRE STATE)		$1,921,754
ACTUAL EXPENDITURES					
BY STATES	100,215		262,339		362,554
BY ASSOCIATIONS	151,078		104,441		255,519
C-M 2 APPROPRIATIONS ADMINISTERED BY FOREST SERVICE	81,500		131,200		212,700
TOTAL	$332,793		$497,980		$830,773
FIRE RECORD - 5-YEAR AVERAGE					
ANNUAL NUMBER STATE AND PRIVATE FIRES	288	Do.	353		641
ANNUAL ACREAGE BURNED - FOREST LAND	806		34,714		35,520

COOPERATORS PARTICIPATING IN C-M 2 PROGRAM - PROTECTIVE ASSOCIATIONS

MONTANA NAME AND LOCATION	MONTANA ACREAGE	NORTHEAST WASHINGTON	NORTH IDAHO NAME AND LOCATION	NORTH IDAHO ACREAGE	NORTHWEST SOUTH DAKOTA	REGION NUMBER ASSOCIATIONS	REGION TOTAL ACREAGE
BLACKFOOT, MISSOULA	1,044,732		CLEARWATER, OROFINO	454,199		2	1,498,931
NORTHERN MONTANA, KALISPELL	1,152,134		POTLATCH, OROFINO	334,447		2	1,486,581
ANACONDA FIRE, ANACONDA	197,222		PRIEST LAKE, COOLIN	218,000		2	415,222
			PINE CREEK, KELLOGG	AREA PROTECTED BY FEDERAL AGENCY		1	
			PEND OREILLE, SANDPOINT	AREA PROTECTED BY STATE		1	
TOTAL ACREAGE	2,394,088			1,006,646		8	3,400,734

STATE & PRIVATE FORESTRY FISCAL YEAR 1958--Continued

Cooperative tree planting program	Montana	Northeast Washington	Idaho	Northwest South Dakota	Region
Areas of state and private-owned lands needing planting		(Deforested)			
Forest land (estimated) acres	164,000	319,000	200,000		683,000
Windbreaks and shelterbelts (estimated) acres	50,000	2,000	5,000		57,000
Number nurseries and location	Missoula	Pullman(R-6)	Moscow		2+
Clarke-McNary, section 4, program					
Number trees produced and distributed	840,000		438,000		1,278,000
Annual cost, production and distribution	$53,268.16		$25,203.64		$78,471.80
Amount paid by Government under C-M 4	$12,526.00		$7,159.50		$19,685.50
Conservation reserve program					
Number trees in production	1,000 M	R-6	22,250 M		
Expenditures for tree production	$5,250.00	R-6	$11,958.00		
Cooperative forest management program (CFM)					
Number of projects needed	6	2	5		13
Number of projects approved	4	1	5		10
Number and location of currently operating projects (January 1958)	Kalispell Missoula Bozeman	Colville	Sandpoint Orofino SW Idaho SE Idaho		
Annual expenditures - Federal	$14,122.00	$2,913.00	$4,750.00		$21,785.00
State	14,405.00	3,609.00	4,932.00		22,946.00
Total	28,527.00	6,522.00	9,682.00		44,731.00

Leading Cooperating Fire Prevention Organizations

Montana	Northeast Washington	North Idaho
Rural Fire Fighters Service Keep Montana Green	Keep Washington Green	Junior Chamber of Commerce Keep Idaho Green

Nationwide Cooperative Forest Fire Program (Smokey Bear). This is a national program sponsored cooperatively by Forest Service and the state foresters who contributed $150,000 from their C-M 2 allotments in fiscal year 1958. Forest Service contribution about matches that of the states.

RURAL FIRE FIGHTERS SERVICE

Fire equipment available for use	Montana Rural Fire Fighters Service	*Northeast Washington organized county units	*North Idaho organized county units	Northwest South Dakota	Region
Number tankers with pumps	210	20	50		280
Number trailers with water and tools, and part with pumps	50	--	10		60
Number organized fire suppression volunteer crews, each with fire chief in charge with 3-12 men per crew	1,350	400	200		1,950
Equipment (small tools and backpack pumps) on hand to equip	7,100 men	200 men	5,000 men		12,300 men
Counties having one or more crews with equipment	56	4	4		64
Approximate value of equipment owned by counties and districts (exclusive of that bought from volunteer collections)	$400,000	$150,000	$50,000		$600,000
Appropriated money spent by counties and districts (1958)	$90,000	$50,000	$30,000		$170,000
Number districts organized under the 1947 fire district law	97				97

54 Montana counties are organized under Chapter 173, Laws of Montana 1945, Section 1, which law authorizes county commissioners to appropriate $5,000.00 annually for the purchase of fire equipment to be used for the protection from fire of farm range and forest lands not protected by any other fire control agency. Over $175,000 has been appropriated to date under authority of this law.

*Northeast Washington and North Idaho are organized fire districts in which the taxpayers voluntarily maintain the organization through taxation. They are set up primarily for structural improvement fire suppression but do handle other fires along and near roads, highways, grain field fires, etc.

BLISTER RUST CONTROL PROGRAM

Ownership in blister rust control area	National forest acres	National park acres	Public domain acres	State acres	Private acres	Total acres
National forest	814,160	--	3,070	24,950	72,330	914,510
National park	--	52,960	--	--	--	52,960
Idaho state and private	14,200	--	3,830	62,950	95,680	176,660
Totals	828,360	52,960	6,900	87,900	168,010	1,144,130

Summary of control status	Total acres	Unworked acres	Worked areas: Needing rework	Worked areas: Needing re-examination	Worked areas: On maintenance
National forest	914,510	229,860	131,680	244,610	308,360
National park	52,960	15,530	3,090	5,620	28,720
State and private	176,660	33,310	35,450	43,310	64,590
Totals	1,144,130	278,700	170,220	293,540	401,670

Expenditures	National forest	National parks	State and private
Federal appropriation	$1,146,800	$154,900	$104,800
K-V	90,900	--	--
State appropriation	--	--	67,500
Timber protective associations	--	--	25,600
Totals	$1,237,700	$154,900	$197,900

SECTION OF FOREST INSECT AND DISEASE OTHER THAN BRC

Insect control program - area or volume attacked: Insect	Acreage	Volume	Volume salvaged*	Area sprayed
Spruce budworm	3,521,000	--	--	18,000
Spruce bark beetle	--	146 MM	138 MM	--

*Infested volume on national forest land (nonreserved).

ENGINEERING FISCAL YEAR 1958

Road miles	Montana	Northeast Washington	North Idaho	Northwest South Dakota	Region
Forest highway - adequate	153.5	99.5	69.8	--	322.8
Forest highway - inadequate	1,007.2	--	398.3	2.0	1,407.5
Forest highway - nonexisting	32.2	--	17.9	--	50.1
Forest development roads - bituminous or concrete surface	83.1	36.3	19.5	--	138.9
Forest development roads - soil or aggregate surface	716.1	27.0	455.1	25.1	1,223.3
Forest development roads - graded and drained	5,281.0	1,047.0	5,592.5	41.2	11,961.7
Forest development roads - primitive	4,194.7	358.4	590.7	--	5,143.8
Forest development roads - nonexisting	61,959.6	5,783.8	23,209.5	108.0	91,060.9
Landing fields, number existing	12	2	9	--	23
Bridges, number existing (roads)	888	102	461	--	1,451
Bridges, number existing (trails)	132	4	111	--	247
Trails, miles existing	16,100.6	1,085.6	8,578.7	--	25,764.9
Telephone lines, miles - Metallic	827	43	508	0	1,378
Ground	2,000	116	1,568	0	3,684
Total	2,827	159	2,076	0	5,062
Radio - Forest covered	10	1	5	0	16
Fixed stations, number	105	7	80	1	193
Aerial photographs and maps, national forests and adjacent (63,666 square miles mapping area)					
Photography completed	44,805	3,904	8,832	625	58,166
Resource photography needed (annual)	250	0	5,250	0	5,500
Planimetric maps completed (class C)	31,810	1,850	5,290	625	39,575
Planimetric maps in progress (class C)	5,575	0	4,420	0	9,995
Planimetric maps needed (class C)	7,570	2,054	4,472	0	14,096
Topography maps completed (FS & GS)	12,240	1,850	2,665	0	16,755
Topography maps in progress	7,585	0	1,845	0	9,430
Topography maps needed	25,130	2,054	9,672	625	37,481

FIRE CONTROL CALENDAR YEARS 1954 THROUGH 1958

FIRE STATISTICS - AVERAGE ANNUAL FOR 5-YEAR PERIOD

Number of fires	Montana	Northeast Washington	North Idaho	Northwest South Dakota	North Dakota	Region
Class A, spot to 1/4 acre	443	43	326	1.0	.0	813
Class B, 1/4 to 10 acres	108	9	47	.6	.0	164.6
Class C, 10 to 100 acres	14	1.2	6	.0	1.4	22.6
Class D, 100 to 300 acres	2	.2	1.4	.0	.2	3.8
Class E, over 300 acres	2	.0	.2	.0	.8	3.0

Area burned	Total	Man-caused	Total	Man-caused	Total	Man-caused	Total	Man-caused	Total	Man-caused	Total	Man-caused
National forest	1,710	1,071	102	95	345	189	.4	0	0	0	2,157	1,355
Private land protected by Forest Service	482	403	19	18	202	176	.0	0	0	0	703	597
LU lands only									393	345	393	345
Total	2,192	1,474	121	113	547	365	.4	0	393	345	3,253	2,297

Causes	Number fires	Acres burned	Number fires	Acres burned	Number fires	Acres burned	Number fires	Acres burned	Number fires	Acres burned	Number fires	Acres burned
Railroad	12	469	0	0	1	15			.4	252	13.4	736
Lumbering	7	16	1	29	6	22			.0	0	14.0	67
Campers	37	267	4	52	11	31			.4	7	52.4	357
Smokers	42	496	4	3	22	168	.2		.0	0	68.2	667
Debris burning	19	166	1	1	7	66			.2	22	27.2	255
Incendiary	.2	0		0	0	0			.0	0	.2	0
Miscellaneous	25	187	2	17	8	34			.4	68	35.4	306
Total man-caused	142.2	1,601	12	102	55	336	.2		1.4	349	210.8	2,388
Lightning caused	424	745	41	8	325	311	1.0	0	.6	44	791.6	1,108
Total	566.2	2,346	53	110	380	647	1.2	0	2.0	393	1,002.4	3,496

FIRE CONTROL CALENDAR YEARS 1954 THROUGH 1958--Continued

FIRE STATISTICS - AVERAGE ANNUAL FOR 5-YEAR PERIOD

Number	Montana	Northeast Washington	North Idaho	Northwest South Dakota	North Dakota	Region
Lookout towers	122	13	98	1	0	234
Fireguards	161	39	334	2	0	536
Crewmen	658	45	1,192	0	0	1,895
Pack mules and horses	*648	26	287	2	0	963
Government-owned airplanes	**2					2
Airplanes under contract	27	2	11	0	0	40
Landing fields	12	2	8	0	0	22
Smokejumpers	**150					150
Fire jumps made 3-year average	194	0	246	0	0	440

*95 head based in Montana but used throughout Region 1.
**Based in Montana but used throughout Region 1.

Treatment of slash on national forest sales

Acres treated	39,028	4,517	29,267	0	0	72,812
Fiscal year 1959 Section 6 of G-T Act collections	815,938	115,137	705,069	0	0	1,636,144
Purchaser participation	75,843	7,920	58,874	0	0	142,637

FISCAL CONTROL, FISCAL YEAR 1959

EXPENDITURE AND RECEIPTS STATEMENT

Operating expenditures	Appropriated funds	Expenditures from deposits by cooperators	Total	Collections (receipts) deposited in U.S. Treasury
Timber use	$3,164,900.64	$127,946.71	$3,292,847.35	$6,553,734.01
Tree insect and rodent control	377,746.81		377,746.81	
Tree disease control	1,380,927.32		1,380,927.32	
Other range use	507,400.59	1,079.13	508,479.72	445,863.45
Land exchange and acquisition expense	67,942.26		67,942.26	
General surveys, maps, and boundary posting	84,615.03		84,615.03	
Other land use	223,483.46		223,483.46	75,927.02
Recreation use	447,221.64		447,221.64	
Wildlife use	94,486.01		94,486.01	9,903.05
Water use	103,699.50		103,699.50	
Fire prevention and presuppression	1,943,559.15	74,293.01	2,017,852.16	
Fire research	1,365.32		1,365.32	
Fire suppression	1,470,565.15	28,000.13	1,498,565.28	
Maintenance of improvements	967,021.29	44,293.07	1,011,314.36	
Maintenance of roads	781,350.23	571.62	781,921.85	
Maintenance of trails	474,325.44		474,325.44	
Total	$12,090,609.84	$276,183.67	$12,366,793.51	$7,085,427.53

Total investment expenditures (capital investment)	$8,174,310.17
Total work performed for others (reimbursable)	344,064.63
Total work performed for others (not reimbursable)	2,743.62
Total state and private forestry (cooperative fire control, tree disease control, etc.)	671,750.18
Total survey and technical directions, tree pests	168,976.97
Total submarginal land projects (nonnational forest)	106,059.62

RECEIPTS AND RESERVE FUNDS

Receipts	Timber sales	Grazing	Land use	Power	Region
Fiscal year 1958	$5,716,213.88	$367,634.67	$56,540.08	$9,773.84	$6,150,162.47
Fiscal year 1959	6,553,734.01	445,863.45	9,903.05	75,927.02	7,085,427.53

	Montana	North Idaho	Northeast Washington	Northwest South Dakota	Region
25% Forest Reserve Fund*					
Fiscal year 1958	$782,471.44	$639,106.07	$114,151.88	$1,811.22	$1,537,540.61
Fiscal year 1959	887,463.84	765,477.16	116,220.71	2,195.17	1,771,356.88
10% Forest Reserve Fund**					
Fiscal year 1958	312,988.57	255,642.43	45,660.75	724.49	615,016.24
Fiscal year 1959	354,985.54	306,190.86	46,488.28	878.07	708,542.75

*Act of May 23, 1908, 35 Stat. 260; Section 55, Title 16, USC: That hereafter twenty-five per centum of all money received from each national forest during any fiscal year, including the year ending June thirtieth, nineteen hundred and eight, shall be paid at the end thereof by the Secretary of the Treasury to the State or Territory in which said national forest is situated to be expended as the State or Territorial legislature may prescribe for the benefit of the public schools and public roads of the county or counties in which the national forest is situated: Provided, that when any national forest is in more than one state or territory or county, the distribution share to each from the proceeds from said forest shall be proportional to its area therein.

**Act of March 4, 1913, 37 Stat. 843; Section 501, Title 16, USC: That hereafter an additional ten per centum of all moneys received from the national forests during each fiscal year shall be available at the end thereof, to be expended by the Secretary of Agriculture for the construction of and maintenance of roads and trails within the national forests in the states from which such proceeds are derived; but the Secretary of Agriculture may, whenever practicable, in the construction and maintenance of such roads, secure the cooperation or aid of the proper State or Territorial authorities in the furtherance of any system of highways of which such roads may be made a part.

RESEARCH

The Intermountain Forest and Range Experiment Station, with headquarters at Ogden, Utah, is one of nine experiment stations operated by the U.S. Forest Service. Its primary function is to find answers to management problems on the forest and grass-covered watershed lands of the Intermountain and Northern Regions.

The research program of this station includes studies in the management of timberlands, in grazing management of rangelands, in the management and protection of watershed lands, forest and range economics, and in products utilization. The program also includes investigations on forest insects, diseases, and fires and a survey of the timber resources of the two regions. The survey activities and the economics studies are conducted in the headquarters office, whereas most of the experimental studies in forest, range, and watershed management are carried out on study areas in the field. Special laboratories for forest insect investigations and forest fire research are maintained at Missoula, Montana. Each year the results of the research findings are summarized in an annual report. The results of individual studies are also reported in a series of Station Research Papers, in various technical journals, and in publications of the U.S. Department of Agriculture. Inquiries about the research program should be addressed to: Director, Intermountain Forest and Range Experiment Station, Forest Service Building, Ogden, Utah .

Research centers and laboratories of the Intermountain Forest and Range Experiment Station in the Northern Region	National forest	Forest type	Acreage
Missoula Research Center, Missoula			
Experimental forests - Coram	Flathead	Larch--Douglas fir	7,460
Piquette Creek (inactive)	Bitterroot	Ponderosa pine	5,300
Bernice (inactive)	Deerlodge	Lodgepole pine	2,900
Experimental ranges - Vigilante	Beaverhead		8,500
Inland Empire Research Center, Spokane			
Experimental forests - Deception Creek	Coeur d'Alene	White pine	3,500
Priest River	Kaniksu	White pine	6,400
Forest Fire Laboratory, Missoula			
Forest Insect Laboratory, Missoula			

LAND UTILIZATION PROJECTS (LU) CALENDAR YEAR 1958

AREA STATISTICS

	Western North Dakota*	Northwest South Dakota*	Region
Number projects	2	2	4
Number field offices	3	1	4
LU project acres (12-31-58)	1,032,935	158,732	
Other** (Federal, state, private)	2,026,840	339,408	
Gross acreage - project areas	3,059,775	498,140	

Attached to Custer Forest

Project	Symbol	Headquarters			
Western North Dakota	ND-LU-24	Dickinson, North Dakota	1,026,218		
Cedar	ND-LU-25	Lemmon, South Dakota	6,717		
Little Moreau	SD-LU-4	Lemmon, South Dakota		3,304	
Pekins Corson	SD-LU-21	Lemmon, South Dakota		155,428	
			1,032,935	158,732	1,191,667

*Although not officially within Region 1, the LU projects in western North Dakota and northwestern South Dakota are attached for administration because of their proximity and management similar to projects in Montana.
**Although "other" lands bulk large in most LU areas, the use and management of LU lands has an important influence on areas as a whole.

RANGE AND WILDLIFE MANAGEMENT

	Western North Dakota	Northwest South Dakota	Region
		Range also used by game	
Range open for grazing - Acres	1,030,181	154,845	1,185,026
Permitted to graze - Number cattle and horses	49,826	8,795	58,621
Animal months cattle and horses	395,855	54,722	450,577
Number sheep	---	4,715	4,715
Animal months sheep	---	33,500	33,500
Paid permits - Cattle and horses	573	140	713
Sheep	---	9	9
Cooperating local grazing districts, number	4	1	5

RECREATION AND LANDS - SPECIAL USE PERMITS JUNE 30, 1957

	Region			
	Western North Dakota	Northwest South Dakota	Number permits	Acres
Cropping	8		8	397
Haycutting	55		55	4,426
Grass seed harvest	1		1	160
Oil and gas leases (in effect on acquired land) (in effect on acquired land)	631	133	764	1,040,226

STATEMENT OF EXPENDITURES AND RECEIPTS

LU projects	Forest products	Grazing	Minerals	Cropping, etc.	Recreation	Other	Total
Custer							
ND-LU-24	$559.00	$139,183.00	$411,497.43	$9,883.36	$60.00	$817.08	$561,999.87
ND-LU-25		1,339.20	2,839.75	180.00			4,358.95
SD-LU-4			80.00				80.00
SD-LU-21		23,191.69	360.00	8,187.00			31,738.60
Total (To U.S. Treasury)	$559.00	$$163,713.89	$414,777.18	$18,250.36	$60.00	$817.08	*$598,177.42

*25% of this figure returned to counties in which lands are located for school and road purposes pursuant to Title III of the Bankhead-Jones Farm Tenant Act (50 Stat. 522, 525), as amended July 28, 1942 (56 Stat. 725).